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Intervertebral implant has body in form of simple loop fastened to adjacent vertebrae by fixing lugs with studs

Patent Assignee: BIOMET MERCK FRANCE; BIOMET MERCK FRANCE SARL; ELBERG J; ELBERG J F; IND QUIRURGICAS LEVANTE SL; IQL IND QUIRURGICAS LEVANTE SL FUENTE DEL JARRO; IQL IND QUIRURGICAS LEVANTE SL

Inventors: DE WITTE G; ELBERG J; ELBERG J F

Patent Family (6 patents, 30 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1330987	A1	20030730	EP 2002356259	A	20021212	200355	B
FR 2835173	A1	20030801	FR 2002977	A	20020128	200358	E
EP 1330987	B1	20050309				200519	E
DE 60203159	E	20050414	DE 60203159	A	20021212	200525	E
			EP 2002356259	A	20021212		
ES 2236470	T3	20050716	EP 2002356259	A	20021212	200549	E
DE 60203159	T2	20060511	DE 60203159	A	20021212	200635	E
			EP 2002356259	A	20021212		

Priority Application Number (Number Kind Date): FR 2002977 A 20020128

Patent Details

Patent Number	Kind	Language	Pages	Drawings	Filing Notes
EP 1330987	A1	FR	11	9	
Regional Designated States, Original	AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR				
EP 1330987	B1	FR			
Regional Designated States, Original	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR				

DE 60203159	E	DE	Application EP 2002356259
ES 2236470	T3	ES	Based on OPI patent EP 1330987
DE 60203159	T2	DE	Application EP 2002356259
			Based on OPI patent EP 1330987
			Application EP 2002356259
			Based on OPI patent EP 1330987

Alerting Abstract: EP A1

NOVELTY - The implant (10), fitted between the spiny apophyses (3, 4) of two adjacent vertebrae (1, 2), consists of a body in the form of a simple loop anchored to the vertebrae by fixing lugs (12, 13) with holes for studs. The studs have tapering sides to fit in the holes and pointed tips to engage with the spiny apophyses. In variants of the design the implant body can be in a figure-8 or kidney shape, and the lugs can be fixed with pedicular anchoring screws

USE - Stabilising two adjacent vertebrae.

ADVANTAGE - The implant is simpler to fit, requiring less invasive surgery, and avoids all risk of ejection with spinal movements, especially flexure.

DESCRIPTION OF DRAWINGS - The drawing shows a rear view of the implant.

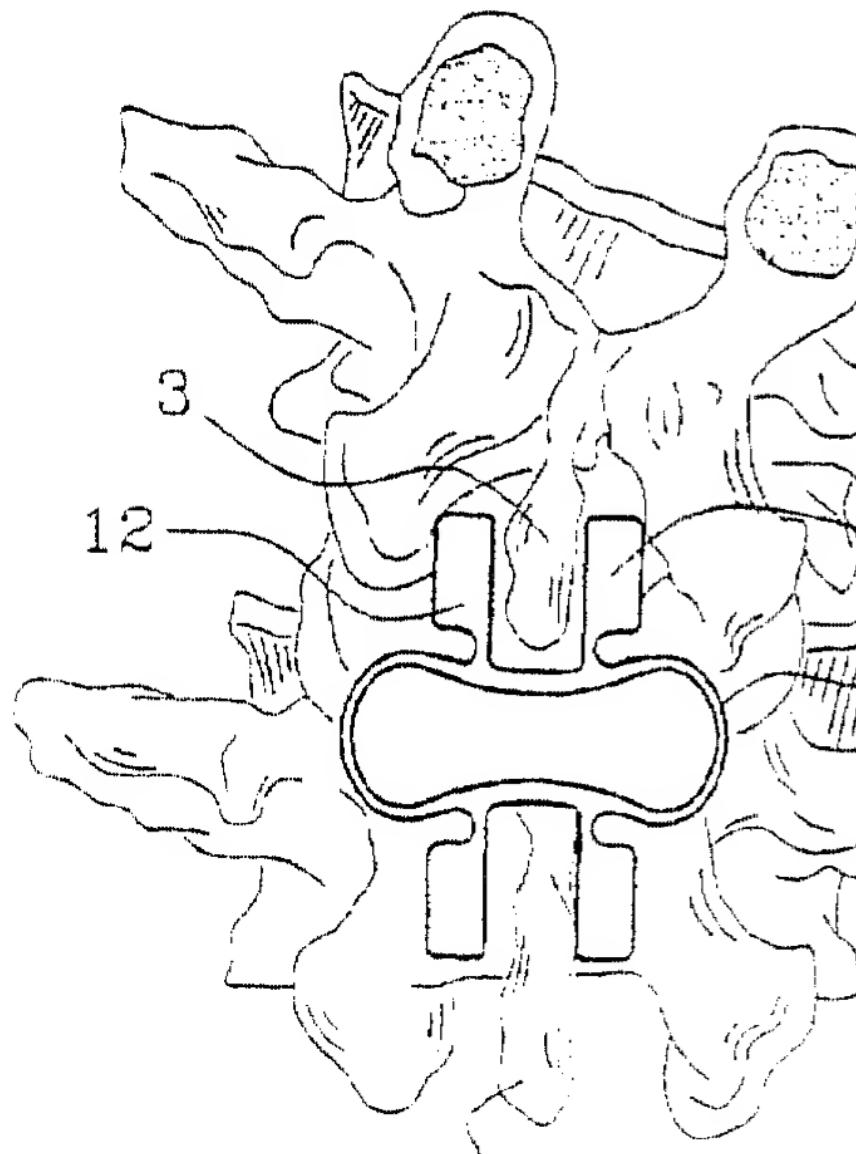
1, 2 Adjacent vertebrae

3, 4 Spiny apophyses

10 Implant

12, 13 Fixing lugs

Main Drawing Sheet(s) or Clipped Structure(s)



International Classification (Main): A61B-017/70**International Patent Classification**

IPC	Level	Value	Position	Status	Version
A61B-0017/70	A	I	F	B	20060101
A61B-0017/70	A	I		R	20060101
A61B-0017/70	C	I	L	B	20060101
A61B-0017/70	C	I		R	20060101

Original Publication Data by Authority**Germany**

Publication Number: DE 60203159 E (Update 200525 E)

Publication Date: 20050414

**Zwischen WirbeldornfortsAcurrencytzen eingesetzte

WirbelsAcurrencyulenimplantat**

Assignee: IQL IND QUIRURGICAS LEVANTE SL; ES (IQLI-N) ELBERG J; FR (ELBE-I)

Language: DE

Application: DE 60203159 A 20021212 (Local application) EP 2002356259 A 20021212 (Application)

Priority: FR 2002977 A 20020128

Related Publication: EP 1330987 A (Based on OPI patent)

Current IPC: A61B-17/70(A)|DE 60203159 T2 (Update 200635 E)

Publication Date: 20060511

Assignee: ELBERG J; FR (ELBE-I) IQL IND QUIRUERGICAS LEVANTE SL

FUENTE DEL JARRO; ES (IQLI-N)

Inventor: ELBERG J DE WITTE G

Language: DE

Application: DE 60203159 A 20021212 (Local application) EP 2002356259 A 20021212 (Application)

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Current IPC: A61B-17/70(B,I,H,EP,20060101,20051017,A,F) A61B-17/70 (B,I,H,EP,20060101,20051017,C,L)

Current ECLA class: A61B-17/70P

Current ECLA ICO class: K61B-17:70R

European Patent Office

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Publication Date: 20030730

Assignee: BIOMET MERCK FRANCE; FR (BIOM-N) ELBERG J; FR (ELBE-I)

Inventor: ELBERG J DE WITTE G

Language: FR (11 pages, 9 drawings)

Application: EP 2002356259 A 20021212 (Local application)

Priority: FR 2002977 A 20020128

Designated States: (Regional Original) AL AT BE BG CH CY CZ DE DK EE ES FI FR

GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

Original IPC: A61B-17/70(A)

Current IPC: A61B-17/70(R,A,I,M,EP,20060101,20051008,A) A61B-17/70

(R,I,M,EP,20060101,20051008,C)

Current ECLA class: A61B-17/70P

Current ECLA ICO class: K61B-17:70R|EP 1330987 B1 (Update 200519 E)

Publication Date: 20050309

Assignee: IND QUIRURGICAS LEVANTE SL; ES (INQU-N) ELBERG J; FR (ELBE-I)

Inventor: ELBERG J DE WITTE G

Language: FR

Designated States: (Regional Original) AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR IE IT LI LU MC NL PT SE SI SK TR

Current IPC: A61B-17/70(R,I,M,EP,20060101,20051008,A) A61B-17/70

(R,I,M,EP,20060101,20051008,C)

Current ECLA class: A61B-17/70P

Current ECLA ICO class: K61B-17:70R

Spain

Publication Number: ES 2236470 T3 (Update 200549 E)

Publication Date: 20050716

Assignee: IND QUIRURGICAS LEVANTE SL (INQU-N)

Language: ES

Application: EP 2002356259 A 20021212 (Application)

Priority: FR 2002977 A 20020128

Related Publication: EP 1330987 A (Based on OPI patent)

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(R,I,M,EP,20060101,20051008,C)

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Current ECLA ICO class: K61B-17:70R

France

Publication Number: FR 2835173 A1 (Update 200358 E)

Publication Date: 20030801

Assignee: BIOMET MERCK FRANCE SARL (BIOM-N) ELBERG J F (ELBE-I)

Inventor: ELBERG J F DE WITTE G

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Current ECLA class: A61B-17/70P

Current ECLA ICO class: K61B-17:70R

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